

**PRELIMINARY AMENDMENT**  
**Serial No. 09/550,955**

**PATENT APPLICATION**

145. The measuring method of claim 1, wherein said performing step produces measurement information related to PDAs.

146. The measuring method of claim 1, wherein said performing step produces measurement information related to GSM.

147. The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a CDPD modem.

148. The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a PDA modem.

149. The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a PDA modem.

150. The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a CDPD modem.

151. The remote unit of claim 89, wherein said measurements are performed on PDA traffic.

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152. The remote unit of claim 89, wherein said measurements are performed on CDPD traffic.

153. The measuring method of claim 1, wherein said performing step produces measurement information related to private data network traffic.

154. The measuring system of claim 38, wherein said measurements are performed on private data network traffic.

155. The remote unit of claim 89, wherein said measurements are performed on private data network access.

156. A measuring system for measuring data quality of service on a wireless network that includes a WAP gateway, the measuring system comprising:

a WAP monitoring processor, communicating with the WAP gateway, for monitoring WAP traffic passing through the WAP gateway.

157. The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software on the WAP gateway.

158. The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software embedded into the WAP gateway software.

159. The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software on a machine attached to the WAP gateway.

160. The measuring system of claim 156, wherein said WAP monitoring processor measures throughput.

161. The measuring system of claim 156, wherein said WAP monitoring processor measures latency.

162. The measuring system of claim 156, wherein said WAP monitoring processor measures lost packet information.--